

# PRODUCT DATASHEET

## P AR111 100 24° 16 W/2700K G53

PARATHOM PRO AR111 | LED reflector lamps AR111 with retrofit pin base



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### AREAS OF APPLICATION

- Shops
- Shop windows
- Hotels, hospitality
- Museums, art galleries
- Exhibition rooms
- Residential interiors
- Luxurious living areas
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Premium light quality thanks to high color rendering index and narrow binning
- Easy replacement of halogen lamps due to compact design and single optic design

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### PRODUCT FEATURES

- Professional LED alternative to AR111 halogen lamps
- Very high color rendering ( $R_a: 90$ )
- Mercury-free lamps
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Single optic design



## TECHNICAL DATA

### Electrical data

Rated wattage	16.00 W
Nominal wattage	16.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	100 W
Max. lamp no. on circuit break. 10 A (B)	45
Max. lamp no. on circuit break. 16 A (B)	72
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.50

### Photometrical data

Nominal luminous flux	1100 lm
Rated luminous flux	1100 lm
Rated color temperature	2700 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	1100 lm
Color rendering index Ra	$\geq 90$
Standard deviation of color matching	$\leq 6$ sdc
Color rendering index Ra	$\geq 90$
Nominal useful luminous flux 90°	1100 lm
Rated useful luminous flux 90°	1100 lm
Rated peak intensity	3200 cd

### Light technical data

Beam angle	24 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	24 °
Rated beam angle (half peak value)	24.00 °

## Dimensions &amp; weight



<b>Overall length</b>	55.0 mm
<b>Diameter</b>	111.0 mm
<b>Outer bulb</b>	AR111
<b>Length</b>	55.0 mm
<b>Maximum diameter</b>	111.0 mm

## Temperatures &amp; operating conditions

<b>Maximum temperature at tc test point</b>	83 °C
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## Lifespan

<b>Nominal lamp life time</b>	40000 h
<b>Rated lamp life time</b>	40000 h
<b>Number of switching cycles</b>	100000

## Additional product data

<b>Base (standard designation)</b>	G53
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

## Capabilities

<b>Dimmable</b>	Yes
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## Certificates &amp; standards

<b>Energy efficiency class</b>	A
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Energy consumption

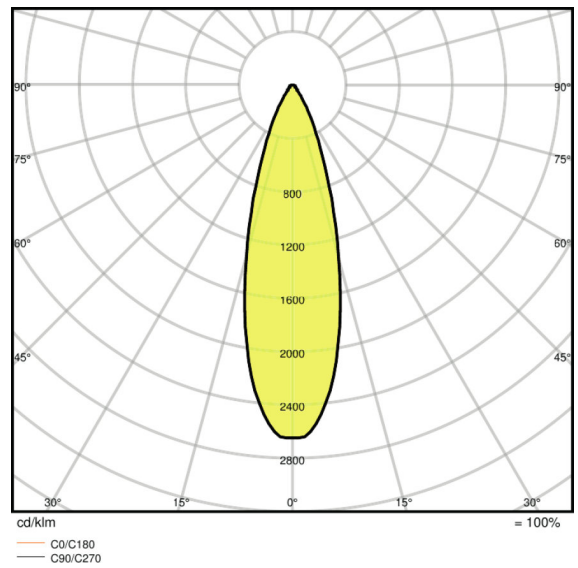
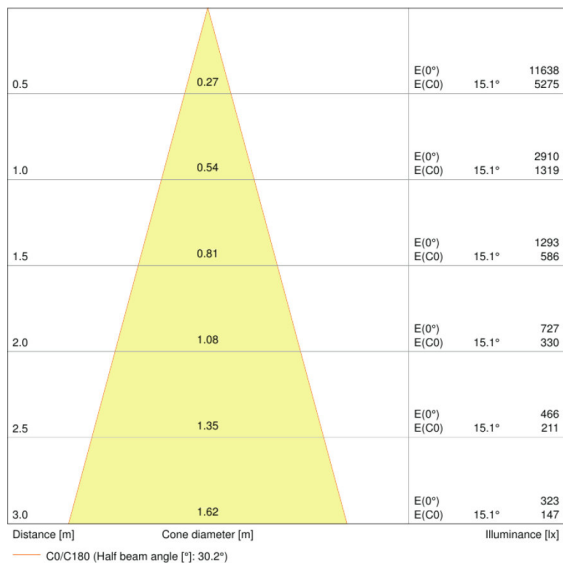
16 kWh/1000h

Country-specific categorizations

Order reference

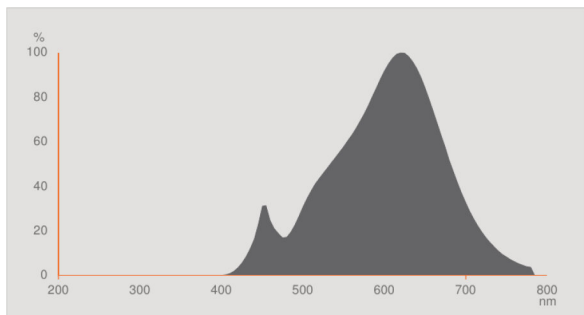
LPAR11110024 16

Light Distribution



LDC typ cone

LDC typ polar



Spectral power distribution

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105119	Folding carton box 1	86 mm x 86 mm x 112 mm	246.00 g	0.83 dm <sup>3</sup>
4058075105126	Shipping carton box 6	275 mm x 185 mm x 130 mm	1565.00 g	6.61 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

**REFERENCES / LINKS**

For dimming conformity see

- ▶ [www.ledvance.com/dim](http://www.ledvance.com/dim)

For Guarantee see

- ▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

For further products and actual information concerning LED lamps see

- ▶ [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)

Further information see

- ▶ [www.ledvance.com/low-voltage-ledlamps](http://www.ledvance.com/low-voltage-ledlamps)

**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.